UNITED STATES PATENT AND TRADEMARK OFFICE

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COWAN LIEBOWITZ & LATMAN P.C.
JOHN J TORRENTE
1133 AVE OF THE AMERICAS
1133 AVE OF THE AMERICAS
NEW YORK, NY 10036

EXAMINER
MARTIN, CIARA A

ART UNIT	PAPER NUMBER
2157	

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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

Office Action Summary	Application No.	Applicant(s)
	09/991,351	ITOH, FUMIAKI
	Examiner	Art Unit
	Ciara Martin	2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>25 May 2005</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-41</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-41</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

1.   This action is responsive to the amendment filed on May 25, 2005. Claims 1-41

are pending. Claims 1-41 represent a paper-based web browsing apparatus and

method.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form

the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2.   Claims 1–12, 18-30, and 36-41 and are rejected under 35 U.S.C. 102(b) as being

anticipated by Cragun et al., U.S. Patent No. 5,804,803.

Cragun teaches the invention as claimed including a mechanism for scanning

information from a code containing an encoded URL and accessing the Internet using

the URL (see abstract).

As per claim 1, Cragun teaches a web browser apparatus comprising:

a.   image storing means for storing an input image of an inputted physical

medium, the inputted image including an action identification code and a filled-in

image, the filled-in image being in the physical medium by a user (see c. 3, ll. 56-

64, column 4 lines 29-44, c. 8, l. 63 to c. 9, l. 10 and c. 11, ll. 28-47; Cragun

discloses an input buffer to store a code from a tangible object and a filled-in

form filled-in by a user, a code is an image);

b.   action identification code analyzing means analyzing the action

identification code for deciding the next action from the input image stored in said

image storing means and analyzing the action identification code (see column 2

lines 10-15 and column 5 lines 53-62; Cragun discloses converting and

processing scanned code in input buffer in to a URL, converting and processing

involves extracting and analyzing, the reference also discloses "... a scanner

capable of scanning objects for a code ..."; processing the URL decides the next

action);

c.   action deciding means for deciding the next action based on an analysis

result of the action identification code by said action identification code analyzing

means and said input image (see column 5 line 53 to column 7 line 14 and c. 8, l.

63 to c. 9. l. 10; Cragun discloses processing the scanned code and customer

filled-in form, processing involves deciding a next action);

d.   obtaining means for obtaining page data from a web server in accordance

with the action decided by said action deciding means (see column 8 lines 46-

62; Cragun discloses a client computer receiving requested document from a

processed URL, a processed URL is sent from a web server, receiving involves

obtaining, processing involves deciding a next action, a document received from

a web server is a web page);

e.   action identification code preparing means for, if a user instructs by filling

in a physical medium on which the obtained page data is printed, preparing an

action identification code to be used for deciding an action corresponding to the

instruction based on the obtained page data (see column 4 lines 19-30 and

column 8 line 46 to column 9 line 16; Cragun discloses creating or generating

additional encoded URLs in data-filled web page form to process continuously,

creating or generating additional encoded URLs involves preparing an action

identification code, encoded URLs are identification codes);

f.   output image preparing means for preparing an output image based on

the prepared action identification code and the obtained page data (see column 8

line 46 to column 9 line 16; Cragun discloses creating or generating additional

encoded URLs from obtained web page and data-filled form); and

g.   print controlling means for controlling such that the prepared output image

is printed on a physical medium (see column 4 lines 19- 29; Cragun discloses the

output device of the code is a printer, the code is an image and the printer prints

on a physical medium).

As per claims 2, Cragun teaches the web browser apparatus according to claim

1, further comprising:

a.   a scanner for reading a physical medium to prepare an input image and

inputting the input image in said image storing means (see column 4 lines 8-18

and lines 30-44; Cragun discloses a scanning device to read the code and a

barcode input buffer to store the code); and

b.   a printer for the output image on the physical medium based on the control

of said print controlling means to a physical medium (see column 4 lines 19-30;

Cragun discloses a printer as an output device for printing an image received, the

printer prints on a physical medium).

As per claim 3, Cragun teaches the web browser apparatus according to claim 1

wherein said action identification code includes data for identifying each action that can

be taken and data for identifying the filled-in image for selecting said next action (see

column 5 line 53 to column 6 line 3 and column 8 line 63 to column 9 line 16; Cragun

discloses processing a filled-in encoded form of the data code and processing the

encoded created URL of filled-in document, processing a filled-in form includes

identifying next actions that can be taken, and processing an encoded created URL

involves identifying filled-in areas).

As per claim 4, Cragun teaches the web browser apparatus according to claim 1

wherein said action identification code includes data for obtaining data for identifying

each action that can be taken (see column 5 line 52 to column 6 line 3; Cragun

discloses processing data from the code in a data-filled form, processing codes from a

data-filled form involves obtaining data for identifying next actions).

As per claim 5, Cragun teaches the web browser apparatus according to claim 1

wherein said action identification code includes at least one of a URL record of web

page data to be outputted, a base record indicating contents of a base tag, an anchor

record indicating contents of an anchor tag, a form record indicating contents of a form

tag, a submit record indicating submission of a form element, a reset record indicating

reset of a form element, a radio button record of a form element and a check box record

of a form element (see column 8 line 46 to column 9 line 16; Cragun discloses a web

page document outputted as a request via a URL; base, anchor and form tags and form

elements can be a part of an web page).

As per claim 6, Cragun teaches the web browser apparatus according to claim 1

wherein said output image preparing means prepares an output image by further adding

a position marker for specifying a position of said output image (see column 4 lines 19-

30, column 8 lines 46-62; Cragun discloses a printer as an output device for the page

document being returned, a printer predetermines the position on a page of an output

image, it is inherent a position marker is used in predetermining a position).

As per claim 7, Cragun teaches the web browser apparatus according to claim 1

wherein said output image preparing means prepares the output image by laying said

obtained page web data and said prepared action identification code in the form in

which said action identification code can be extracted (see column 8 line 46 to column 9

line 16; Cragun discloses output of web page data as a document with an encoded

code on the page data, the encoded code can be processed afterwards, processing a

code involves extracting a code).

As per claim 8, Cragun teaches the web browser apparatus according to claim 1

wherein one or a plurality of said action identification codes are included on said output

image (see column 8 line 62 to column 9 line 10; Cragun discloses a plurality of ULR-

encoded codes on the outputted page document).

As per claim 9, Cragun teaches the web browser apparatus according to claim 1

wherein said action identification code is outputted to said output image in a

predetermined color (see column 4 lines 18-25 and column 8 lines 46-62; Cragun

discloses the output mechanism as a printer and the output image highlighted, it is

obvious the highlighted output is in a predetermined color).

As per claim 10, Cragun teaches the web browser apparatus according to claim

1 wherein said action deciding means decides said next action based on whether the

filled-in image is filled in a control area having a predetermined color (see column 8 line

62 to column 9 line 16; Cragun discloses user interaction with highlighted outputted

document with a fill-in form and processing of the document, the fill-in form is the

highlighted (colored) control area, the document is processed according to the colored

areas).

As per claim 11, Cragun teaches the web browser apparatus according to claim

1 wherein said action identification code is arranged and printed in a predetermined

position with respect to a control area for determining whether a user has filled in (see

column 4 lines 19-30 and column 8 lines 46-62; Cragun discloses a printer as an output

device and an outputted URL-encoded code and fill-in form on a document page, the

fill-in form the control area and is used by the user, the code is printed with respect to

the control area).

As per claim 12, Cragun teaches the web browser apparatus according to claim

1 wherein said output image preparing means has a control area that is selected and

designated in advance with respect to a control area in which a user fills in and the

selected and designated control area is prepared as an image that can be distinguished

from filling-in by the user (see column 4 lines 19-30 and column 8 lines 46-62; Cragun

discloses a printer as an output device and an outputted URL-encoded code and fill-in

form on a document page, the fill-in form is a control area, the encoded code is another

control area, both control areas are distinguished from each other on the printed

output).

As per claim 18, Cragun teaches web browser apparatus comprising:

a.   obtaining means for obtaining web page data from a web (see column 8

lines 46-62; Cragun discloses a client computer receiving requested document

from a processed URL, a processed URL is sent from a web server, a document

received from a web server is a web page);

b.   action identification code generating means for, generating an action

identification code to be used for deciding an action corresponding based on the

obtained web page data, the action identification code being used for deciding a

next action (see column 4 lines 19-30 and column 8 line 46 to column 9 line 16;

Cragun discloses creating or generating additional encoded URLs in data-filled

web page form to process continuously, creating or generating additional

encoded URLs involves preparing an action identification code, encoded URLs

are identification codes);

c.   output image preparing means for preparing an output image the

generated action identification code based on the obtained web page data (see

column 8 line 46 to column 9 line 16; Cragun discloses creating or generating

additional encoded URLs from obtained web page and data-filled form); and

d.   print controlling means for controlling such that the output image prepared

by said output image preparing means is printed on a physical medium (see

column 4 lines 19- 29; Cragun discloses the output device of the code is a

printer, the code is an image and the printer prints on a physical medium).

As per claim 19, Cragun teaches a web browser method comprising:

a.   an action identification code analyzing step of analyzing the action

identification code included in an input image, the input image being inputted

from an inputted physical medium, the input image including an action

identification code and a filled-in image, the filled-in image being filled in the in

the physical medium by a user, the action identification code being used for

deciding the next action (see column 2 lines 10-15, c. 3, ll. 56-64, column 4 lines

29-44, c. 8, l. 63 to c. 9, l. 10 and c. 11, ll. 28-47 and column 5 lines 53-62;

Cragun discloses converting and processing scanned code in input buffer in to a

URL, converting and processing involves extracting and analyzing, the reference

also discloses "… a scanner capable of scanning objects for a code …"

processing the URL decides the next action. Cragun also discloses an input

buffer to store a code from a tangible object and a filled-in form filled-in by a user,

a code is an image);

b.   an action deciding step of deciding the next action based on the analyzed

action identification code and the filled-in image included in the input image (see

column 5 line 53 to column 7 line 14 and c. 8, l. 63 to c. 9. l. 10; Cragun discloses

processing the scanned code and customer filled-in form, processing involves

deciding a next action);

c.   obtaining means for obtaining web page data from a web server in

accordance with the action decided by said next action deciding means (see

column 8 lines 46-62; Cragun discloses a client computer receiving requested

document from a processed URL, a processed URL is sent from a web server,

receiving involves obtaining, processing involves deciding a next action, a

document received from a web server is a web page);

d.   action identification code generating means for generating an action

identification code based on the obtained web page data, the action identification

cod being used for deciding a next action (see column 4 lines 19-30 and column

8 line 46 to column 9 line 16; Cragun discloses creating or generating additional

encoded URLs in data-filled web page form to process continuously, creating or

generating additional encoded URLs involves preparing an action identification

code, encoded URLs are identification codes);

e.   an output image preparing step of preparing an output image including the

generated action identification code based on the obtained web page data (see

column 8 line 46 to column 9 line 16; Cragun discloses creating or generating

additional encoded URLs from obtained web page and data-filled form); and

f.   a print controlling means for controlling such that the output image

prepared during said output image preparing step is printed on a physical

medium (see column 4 lines 19- 29; Cragun discloses the output device of the

code is a printer, the code is an image and the printer prints on a physical

medium).

As per claim 20, Cragun teaches the web browsing method accord to claim 19,

further comprising:

  a.   an input step of reading a physical medium by a scanner to prepare and

  input said input image (see column 4 lines 8-18 and lines 30-44; Cragun

  discloses a scanning device to read the code and a barcode input buffer to store

  the code); and

  b.   a printer step of printing the output image on the physical medium based

  on the control of said print control step (see column 4 lines 19-30; Cragun

  discloses a printer as an output device for printing an image received, the printer

  prints on a physical medium).

As per claim 21, Cragun teaches the web browsing method accord to claim 19,

wherein said action identification code includes data for identifying each action that can

be taken and data for identifying the filled-in image for selecting said next action (see

column 5 line 53 to column 6 line 3 and column 8 line 63 to column 9 line 16; Cragun

discloses processing a filled-in encoded form of the data code and processing the

encoded created URL of filled-in document, processing a filled-in form includes

identifying next actions that can be taken, and processing an encoded created URL

involves identifying filled-in areas).

As per claim 22, Cragun teaches the web browsing method accord to claim 19,

wherein said action identification code includes data for obtaining data for identifying

each action that can be taken (see column 5 line 52 to column 6 line 3; Cragun

discloses processing data from the code in a data-filled form, processing codes from a

data-filled form involves obtaining data for identifying next actions).

As per claim 23, Cragun teaches the web browsing method according to claim

19, wherein said action identification code includes at least one of a URL record of web

page data to be outputted, a base record indicating contents of a base tag, an anchor

record indicating contents of an anchor tag, a form record indicating contents of a form

tag, a submit record indicating submission of a form element, a reset record indicating

reset of a form element, a radio button record of a form element and a check box record

of a form element (see column 8 line 46 to column 9 line 16; Cragun discloses a web

page document outputted as a request via a URL; base, anchor and form tags and form

elements can be a part of an web page).

As per claim 24, Cragun teaches the web browsing method according to claim

19, wherein said output image preparing means prepares an output image by further

adding a position marker for specifying a position of said output image (see column 4

lines 19-30, column 8 lines 46-62; Cragun discloses a printer as an output device for the

page document being returned, a printer predetermines the position on a page of an

output image, it is inherent a position marker is used in predetermining a position).

As per claim 25, Cragun teaches the web browsing method according to claim

19, wherein said output image preparing means prepares the output image by laying

said obtained page web data and said prepared action identification code in the form in

which said action identification code can be extracted (see column 8 line 46 to column 9

line 16; Cragun discloses output of web page data as a document with an encoded

code on the page data, the encoded code can be processed afterwards, processing a

code involves extracting a code).

As per claim 26, Cragun teaches the web browsing method according to claim

19, wherein one or a plurality of said action identification codes are included on said

output image (see column 8 line 62 to column 9 line 10; Cragun discloses a plurality of

ULR-encoded codes on the outputted page document).

As per claim 27, Cragun teaches the web browsing method according to claim

19, wherein said action identification code is outputted to said output image in a

predetermined color (see column 4 lines 18-25 and column 8 lines 46-62; Cragun

discloses the output mechanism as a printer and the output image highlighted, it is

obvious the highlighted output is in a predetermined color).

As per claim 28, Cragun teaches the web browsing method according to claim

19, wherein said action deciding means decides said next action based on whether the

filled-in image is filled in a control area having a predetermined color (see column 8 line

62 to column 9 line 16; Cragun discloses user interaction with highlighted outputted

document with a fill-in form and processing of the document, the fill-in form is the

highlighted (colored) control area, the document is processed according to the colored

areas).

As per claim 29, Cragun teaches the browsing method according to claim 19,

wherein said action identification code is arranged and printed in a predetermined

position with respect to a control area for determining whether a user has filled in (see

column 4 lines 19-30 and column 8 lines 46-62; Cragun discloses a printer as an output

device and an outputted URL-encoded code and fill-in form on a document page, the

fill-in form the control area and is used by the user, the code is printed with respect to

the control area).

As per claim 30, Cragun teaches the web browsing method according to claim 19

wherein said output image preparing means has a control area that is selected and

designated in advance with respect to a control area in which a user fills in and the

selected and designated control area is prepared as an image that can be distinguished

from filling-in by the user (see column 4 lines 19-30 and column 8 lines 46-62; Cragun

discloses a printer as an output device and an outputted URL-encoded code and fill-in

form on a document page, the fill-in form is a control area, the encoded code is another

control area, both control areas are distinguished from each other on the printed

output).

As per claim 36, Cragun teaches web browsing method comprising:

a.   obtaining means for obtaining web page data from a web (see column 8

lines 46-62; Cragun discloses a client computer receiving requested document

from a processed URL, a processed URL is sent from a web server, a document

received from a web server is a web page);

b.   action identification code generating means for, generating an action

identification code to be used for deciding an action corresponding based on the

obtained web page data, the action identification code being used for deciding a

next action (see column 4 lines 19-30 and column 8 line 46 to column 9 line 16;

Cragun discloses creating or generating additional encoded URLs in data-filled

web page form to process continuously, creating or generating additional

encoded URLs involves preparing an action identification code, encoded URLs

are identification codes);

c.   output image preparing means for preparing an output image the

generated action identification code based on the obtained web page data (see

column 8 line 46 to column 9 line 16; Cragun discloses creating or generating

additional encoded URLs from obtained web page and data-filled form); and

d.   print controlling means for controlling such that the output image prepared

by said output image preparing means is printed on a physical medium (see

column 4 lines 19- 29; Cragun discloses the output device of the code is a

printer, the code is an image and the printer prints on a physical medium).

As per claim 37, Cragun teaches a physical medium including an action

identification code that is applied print control and printed by a web browser apparatus

comprising:

a.   obtaining means for obtaining web page data from a web (see column 8

lines 46-62; Cragun discloses a client computer receiving requested document

from a processed URL, a processed URL is sent from a web server, a document

received from a web server is a web page);

b.   action identification code generating means for, generating an action

identification code to be used for deciding an action corresponding based on the

obtained web page data, the action identification code being used for deciding a

next action (see column 4 lines 19-30 and column 8 line 46 to column 9 line 16;

Cragun discloses creating or generating additional encoded URLs in data-filled

web page form to process continuously, creating or generating additional

encoded URLs involves preparing an action identification code, encoded URLs

are identification codes);

c.   output image preparing means for preparing an output image the

generated action identification code based on the obtained web page data (see

column 8 line 46 to column 9 line 16; Cragun discloses creating or generating

additional encoded URLs from obtained web page and data-filled form); and

d.   print controlling means for controlling such that the output image prepared

by said output image preparing means is printed on a physical medium (see

column 4 lines 19- 29; Cragun discloses the output device of the code is a

printer, the code is an image and the printer prints on a physical medium).

As per claim 38, Cragun teaches a web browsing program executable by a

computer, comprising:

a.   an action identification code analyzing step of analyzing the action

identification code included in an input image, the input image being inputted

from an inputted physical medium, the input image including an action

identification code and a filled-in image, the filled-in image being filled in the in

the physical medium by a user, the action identification code being used for

deciding the next action (see column 2 lines 10-15, c. 3, ll. 56-64, column 4 lines

29-44, c. 8, l. 63 to c. 9, l. 10 and c. 11, ll. 28-47 and column 5 lines 53-62;

Cragun discloses converting and processing scanned code in input buffer in to a

URL, converting and processing involves extracting and analyzing, the reference

also discloses "... a scanner capable of scanning objects for a code ..."

processing the URL decides the next action. Cragun also discloses an input

buffer to store a code from a tangible object and a filled-in form filled-in by a user,

a code is an image);

b.   an action deciding step of deciding the next action based on the analyzed

action identification code and the filled-in image included in the input image (see

column 5 line 53 to column 7 line 14 and c. 8, l. 63 to c. 9. l. 10; Cragun discloses

processing the scanned code and customer filled-in form, processing involves

deciding a next action);

c.   obtaining means for obtaining web page data from a web server in

accordance with the action decided by said next action deciding means (see

column 8 lines 46-62; Cragun discloses a client computer receiving requested

document from a processed URL, a processed URL is sent from a web server,

receiving involves obtaining, processing involves deciding a next action, a

document received from a web server is a web page);

d.   action identification code generating means for generating an action

identification code based on the obtained web page data, the action identification

cod being used for deciding a next action (see column 4 lines 19-30 and column

8 line 46 to column 9 line 16; Cragun discloses creating or generating additional

encoded URLs in data-filled web page form to process continuously, creating or

generating additional encoded URLs involves preparing an action identification code, encoded URLs are identification codes);

e. an output image preparing step of preparing an output image including the generated action identification code based on the obtained web page data (see column 8 line 46 to column 9 line 16; Cragun discloses creating or generating additional encoded URLs from obtained web page and data-filled form); and

f. a print controlling means for controlling such that the output image prepared during said output image preparing step is printed on a physical medium (see column 4 lines 19- 29; Cragun discloses the output device of the code is a printer, the code is an image and the printer prints on a physical medium).

As per claim 39, Cragun teaches a web browsing program executable by a computer, comprising:

a. obtaining means for obtaining web page data from a web (see column 8 lines 46-62; Cragun discloses a client computer receiving requested document from a processed URL, a processed URL is sent from a web server, a document received from a web server is a web page);

b. action identification code generating means for, generating an action identification code to be used for deciding an action corresponding based on the obtained web page data, the action identification code being used for deciding a next action (see column 4 lines 19-30 and column 8 line 46 to column 9 line 16; Cragun discloses creating or generating additional encoded URLs in data-filled

web page form to process continuously, creating or generating additional

encoded URLs involves preparing an action identification code, encoded URLs

are identification codes);

c.   output image preparing means for preparing an output image the

generated action identification code based on the obtained web page data (see

column 8 line 46 to column 9 line 16; Cragun discloses creating or generating

additional encoded URLs from obtained web page and data-filled form); and

print controlling means for controlling such that the output image prepared by

said output image preparing means is printed on a physical medium (see column

4 lines 19- 29; Cragun discloses the output device of the code is a printer, the

code is an image and the printer prints on a physical medium).

As per claim 40, Cragun teaches a storage medium having stored therein a

computer readable we browsing program comprising:

a.   an action identification code analyzing step of analyzing the action

identification code included in an input image, the input image being inputted

from an inputted physical medium, the input image including an action

identification code and a filled-in image, the filled-in image being filled in the in

the physical medium by a user, the action identification code being used for

deciding the next action (see column 2 lines 10-15, c. 3, ll. 56-64, column 4 lines

29-44, c. 8, l. 63 to c. 9, l. 10 and c. 11, ll. 28-47 and column 5 lines 53-62;

Cragun discloses converting and processing scanned code in input buffer in to a

URL, converting and processing involves extracting and analyzing, the reference

also discloses "... a scanner capable of scanning objects for a code ..."

processing the URL decides the next action. Cragun also discloses an input

buffer to store a code from a tangible object and a filled-in form filled-in by a user,

a code is an image);

b.   an action deciding step of deciding the next action based on the analyzed

action identification code and the filled-in image included in the input image (see

column 5 line 53 to column 7 line 14 and c. 8, l. 63 to c. 9. l. 10; Cragun discloses

processing the scanned code and customer filled-in form, processing involves

deciding a next action);

c.   obtaining means for obtaining web page data from a web server in

accordance with the action decided by said next action deciding means (see

column 8 lines 46-62; Cragun discloses a client computer receiving requested

document from a processed URL, a processed URL is sent from a web server,

receiving involves obtaining, processing involves deciding a next action, a

document received from a web server is a web page);

d.   action identification code generating means for generating an action

identification code based on the obtained web page data, the action identification

cod being used for deciding a next action (see column 4 lines 19-30 and column

8 line 46 to column 9 line 16; Cragun discloses creating or generating additional

encoded URLs in data-filled web page form to process continuously, creating or

generating additional encoded URLs involves preparing an action identification

code, encoded URLs are identification codes);

e.   an output image preparing step of preparing an output image including the

generated action identification code based on the obtained web page data (see

column 8 line 46 to column 9 line 16; Cragun discloses creating or generating

additional encoded URLs from obtained web page and data-filled form); and

f.   a print controlling means for controlling such that the output image

prepared during said output image preparing step is printed on a physical

medium (see column 4 lines 19- 29; Cragun discloses the output device of the

code is a printer, the code is an image and the printer prints on a physical

medium).

As per claim 41, Cragun teaches a storage medium having stored therein a

computer readable web browsing program comprising:

a.   obtaining means for obtaining web page data from a web (see column 8

lines 46-62; Cragun discloses a client computer receiving requested document

from a processed URL, a processed URL is sent from a web server, a document

received from a web server is a web page);

b.   action identification code generating means for, generating an action

identification code to be used for deciding an action corresponding based on the

obtained web page data, the action identification code being used for deciding a

next action (see column 4 lines 19-30 and column 8 line 46 to column 9 line 16;

Cragun discloses creating or generating additional encoded URLs in data-filled

web page form to process continuously, creating or generating additional

encoded URLs involves preparing an action identification code, encoded URLs
are identification codes);

c.   output image preparing means for preparing an output image the
generated action identification code based on the obtained web page data (see
column 8 line 46 to column 9 line 16; Cragun discloses creating or generating
additional encoded URLs from obtained web page and data-filled form); and

d.   print controlling means for controlling such that the output image prepared
by said output image preparing means is printed on a physical medium (see
column 4 lines 19- 29; Cragun discloses the output device of the code is a
printer, the code is an image and the printer prints on a physical medium).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

2.   Claims 13,14, 31 and 32 are rejected under 35 U.S.C. 103(a) as being
unpatentable over Cragun et al., U.S. Patent No. 5,804,803 in view of Reber et al., U.S.
Patent No. 5,940,595.

Cragun teaches the invention substantially as claimed including a mechanism for

scanning information from a code containing an encoded URL and accessing the

Internet using the URL (see abstract).

As per claim 13, Cragun teaches the web browser apparatus according to claim

1 including generating an action identification code (see column 5 line 53 to column 6

line 3; Cragun discloses creating a code encoded with data). Cragun fails to teach a

logo. However, Reber teaches a logo (see paragraph 13; Reber discloses a logo that

can be combined with the identification code.

It would have been obvious to one of ordinary skill in the art at the time of the

invention to modify Cragun in view of Reber to add a logo to the identification code

because the code is not human-readable, but the logo is and so the user could more

easily identify the source of the code.

As per claim 14, Cragun teaches the web browser apparatus according to claim

1 including an action identification code (see column 5 line 53 to column 6 line 3;

Cragun discloses a code encoded with data). Cragun fails to teach the code is a two-

dimensional bar code. However, Reber teaches a two-dimensional bar code.

It would have been obvious to one of ordinary skill in the art at the time of the

invention to modify Cragun in view of Reber to make the bar code a two-dimensional

barcode because the bar code would have still been machine readable but more

information could have been encoded in it using less space.

As per claim 31, Cragun teaches the web browsing method according to claim

19, including generating an action identification code (see column 5 line 53 to column 6

line 3; Cragun discloses creating a code encoded with data). Cragun fails to teach a

logo. However, Reber teaches a logo (see paragraph 13; Reber discloses a logo that

can be combined with the identification code.

It would have been obvious to one of ordinary skill in the art at the time of the

invention to modify Cragun in view of Reber to add a logo to the identification code

because the code is not human-readable, but the logo is and so the user could more

easily identify the source of the code.

As per claim 32, Cragun teaches the web browser apparatus according to claim

1 including an action identification code (see column 5 line 53 to column 6 line 3;

Cragun discloses a code encoded with data). Cragun fails to teach the code is a two-

dimensional bar code. However, Reber teaches a two-dimensional bar code.

It would have been obvious to one of ordinary skill in the art at the time of the

invention to modify Cragun in view of Reber to make the bar code a two-dimensional

barcode because the bar code would have still been machine readable but more

information could have been encoded in it using less space.

3.   Claims 15, 16, 17, 33, 34 and 35 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Cragun U.S. Patent No. 5,804,803 in view of Schneck et al U.S.

Patent No. 5,933,498.

Cragun teaches the invention substantially as claimed including a mechanism for

scanning information from a code containing an encoded URL and accessing the

Internet using the URL (see abstract).

As per claim 15, Cragun teaches the web browser apparatus according to claim 1 including generating an action identification code including action identification data that is used for deciding, if a user instructs by filling in a physical medium on which the obtained page web data is printed, an action corresponding to the instruction for processing of a physical medium on which the obtained page data is printed (see column 4 lines 19-30, column 8 line 46 to column 9 line 16; Cragun discloses a printer as an output device and creating an outputted URL-encoded code and fill-in form on a web page document to process).

Cragun fails to teach permission for processing. However, Schneck teaches permission for processing (see column 20 lines 26-34; Schneck discloses rules enforced on input and output (I/O) processing, it is obvious rules are permissions).

It would have been obvious to one of ordinary skill in the art to modify Cragun in view of Schneck to add rules to the input/output process because this would prevent the processing of the output by unauthorized parties using unauthorized hardware.

As per claim 16, Cragun teaches the web browser apparatus according to claim 15 including an action identification code analyzing means (see column 5 lines 53 to column 6 line 3; Cragun discloses converting and processing scanned code in the input buffer in to a URL, converting and processing involves extracting and analyzing).

Cragun fails to teach stopping processing if permission data is not matched. However, Schneck teaches stopping processing if permission data is not matched (see column 20 lines 26-34; Schneck discloses restriction rules enforced on input and output

(I/O) processing, it is obvious rules are permissions, and restrictions involve stopping

processing if the rules are not met).

It would have been obvious to one of ordinary skill in the art at the time of the

invention to modify Cragun in view of Schneck to add rules restrictions to the

input/output process because this would prevent the processing of the output by

unauthorized parties using unauthorized hardware.

As per claim 17, Cragun teaches the web browser apparatus according to claim

15 including generating an action identification code (see column 8 line 46 to column 9

line 16; Cragun discloses creating a prepared URL-encoded code on a document

page).

Cragun fails to teach performing charging processing according to a permission

target apparatus of said permission data. However, Schneck teaches performing

charging processing according to a permission target apparatus of said permission data

(see column 10 lines 27-33; Schneck discloses data access controlled by payment,

payment involves charging and data is access using a permission apparatus).

It would have been obvious to one of ordinary skill in the art at the time of the

invention to modify Cragun in view of Schneck to add data access controlled by

payment because unauthorized parties using unauthorized hardware could not process

data fraudulently.

As per claim 33, Cragun teaches the web browser apparatus according to claim

19 including generating an action identification code including action identification data

that is used for deciding, if a user instructs by filling in a physical medium on which the

obtained page web data is printed, an action corresponding to the instruction for

processing of a physical medium on which the obtained page data is printed (see

column 4 lines 19-30, column 8 line 46 to column 9 line 16; Cragun discloses a printer

as an output device and creating an outputted URL-encoded code and fill-in form on a

web page document to process).

Cragun fails to teach permission for processing. However, Schneck teaches

permission for processing (see column 20 lines 26-34; Schneck discloses rules

enforced on input and output (I/O) processing, it is obvious rules are permissions).

It would have been obvious to one of ordinary skill in the art to modify Cragun in

view of Schneck to add rules to the input/output process because this would prevent the

processing of the output by unauthorized parties using unauthorized hardware.

As per claim 34, Cragun teaches the web browser apparatus according to claim

33 including an action identification code analyzing means (see column 5 lines 53 to

column 6 line 3; Cragun discloses converting and processing scanned code in the input

buffer in to a URL, converting and processing involves extracting and analyzing).

Cragun fails to teach stopping processing if permission data is not matched.

However, Schneck teaches stopping processing if permission data is not matched (see

column 20 lines 26-34; Schneck discloses restriction rules enforced on input and output

(I/O) processing, it is obvious rules are permissions, and restrictions involve stopping

processing if the rules are not met).

It would have been obvious to one of ordinary skill in the art at the time of the

invention to modify Cragun in view of Schneck to add rules restrictions to the

input/output process because this would prevent the processing of the output by

unauthorized parties using unauthorized hardware.

As per claim 35, Cragun teaches the web browser apparatus according to claim

33 including generating an action identification code (see column 8 line 46 to column 9

line 16; Cragun discloses creating a prepared URL-encoded code on a document

page).

Cragun fails to teach performing charging processing according to a permission

target apparatus of said permission data. However, Schneck teaches performing

charging processing according to a permission target apparatus of said permission data

(see column 10 lines 27-33; Schneck discloses data access controlled by payment,

payment involves charging and data is access using a permission apparatus).

It would have been obvious to one of ordinary skill in the art at the time of the

invention to modify Cragun in view of Schneck to add data access controlled by

payment because unauthorized parties using unauthorized hardware could not process

data fraudulently.

Response to Arguments

4.   Applicant's arguments filed on May 25, 2005 have been fully considered but they

are not persuasive.

In the remarks, the applicant argues in substance that: A) Cragun does not disclose

storing an input image of a physical medium, such as paper, that includes both an

action identification code and a user filled in image; B) Cragun does not disclose

deciding the next action based on the read information; C) Cragun does not obtain a

web page that corresponds to the next action; D) Cragun does not generate any action

identification code on the basis of the obtained web page; and E) Cragun does not

prepare and control the output by a printer of a physical medium that includes the

generated action identification code.

In response to A): Cragun discloses an input buffer to store a code (image) from

a tangible object and a filled-in form filled-in by a user (see c. 3, II. 56-64, column 4 lines

29-44, c. 8, I. 63 to c. 9, I. 10 and c. 11, II. 28-47).

In response to B): Cragun discloses converting and processing scanned code in

input buffer in to a URL, converting and processing involves extracting and analyzing,

the reference also discloses "... a scanner capable of scanning objects for a code ..."

processing the URL decides the next action (see column 2 lines 10-15 and column 5

lines 53-62).

In response to C): Cragun discloses processing the scanned code and customer

filled-in form, processing involves deciding a next action (see column 5 line 53 to

column 7 line 14 and c. 8, I. 63 to c. 9. I. 10).

In response to D): Cragun discloses creating or generating additional encoded

URLs in data-filled web page form to process continuously, creating or generating

additional encoded URLs involves preparing an action identification code, encoded

URLs are identification codes (see column 4 lines 19-30 and column 8 line 46 to column

9 line 16).

In response to E): Cragun discloses the output device of the code is a printer, the code is an image and the printer prints on a physical medium (see column 4 lines 19-29).

Conclusion

5.   Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.
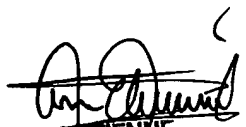
6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ciara Martin whose telephone number is 571-272-7507. The examiner can normally be reached on M-F 6:30- 4:00 with second Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

   Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

CM
6/29/05

ARIO ETIENNE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100